ABBREVIATIONS <u>LEGEND</u> AC AIR CONDITIONING UNIT GPM GALLONS PER MINUTE RL REFRIGERANT LIQUID PIPING HP HEAT PUMP OR HORSEPOWER ACCESS DOOR POSITIVE PRESSURE RS REFRIGERANT SUCTION PIPING ACOUSTICALLY LINED DUCTWORK HC MECHANICAL/ELECTRICAL (HEATING) CONTRACTOR AIR DUCT (UP) ABOVE FINISHED FLOOR AIR HANDLING UNIT IN INCHES POSITIVE PRESSURE --- CWR --- CHILLED WATER RETURN AIR DUCT (DOWN) ACCESS PANEL KW KILOWATT —— HWS —— HOT WATER SUPPLY FLEXIBLE DUCT AIR PRESSURE DROP LENGTH NEGATIVE PRESSURE ---HWR --- HOT WATER RETURN AIR DUCT (UP) BOILER LEAVING AIR TEMPERATURE ——GHWS —— GLYCOL HOT WATER SUPPLY BUILDING CONTRACTOR LBS POUNDS NEGATIVE PRESSURE SQUARE TO ROUND TRANSITION --- GHWR --- GLYCOL HOT WATER RETURN AIR DUCT (DOWN) BOTTOM OF DUCT LEAVING WATER TEMPERATURE —— CD —— COOLING CONDENSATE DRAIN BACKWARD INCLINED MAXIMUM MOTORIZED VALVE OR DAMPER OPERATOR —— GS —— GLYCOL SUPPLY (HEAT RECOVERY) BOILER SHUTDOWN SWITCH THOUSAND BTUH SQUARE-THROATED ELBOW WITH TURNING VANES BRITISH THERMAL UNITS MC MECHANICAL CONTRACTOR --- GR --- GLYCOL RETURN (HEAT RECOVERY) TEMPERATURE TRANSMITTER BRITISH THERMAL UNITS/HOUR MINIMUM SPACE HUMIDISTAT- RELATIVE HUMIDITY TRANSMITTER CONVECTOR NC NORMALLY CLOSED WITH LOCAL LCD DISPLAY CIRCUIT BREAKER NORMALLY OPEN FREEZE STAT - MANUAL RESET RADIUS ELBOW CEILING DIFFUSER OA OUTSIDE AIR --- MPR --- MEDIUM PRESSURE STEAM RETURN SPACE THERMOSTAT— TEMPERATURE TRANSMITTER CUBIC FEET PER HOUR P PUMP ----- LPS ----- LOW PRESSURE STEAM SUPPLY WITH LOCAL LCD DISPLAY CFM CUBIC FEET PER MINUTE PC PLUMBING CONTRACTOR --- LPR --- LOW PRESSURE STEAM RETURN DIFFERENTIAL PRESSURE SWITCH CEILING GRILLE PD PRESSURE DROP -|-COEFFICIENT OF PERFORMANCE PHASE STATIC PRESSURE TRANSMITTER VOLUME DAMPER SHUT-OFF VALVE CEILING REGISTER PRV PRESSURE REDUCING VALVE CABINET HEATER PLUG VALVE FUSED COMBINATION STARTER RELATIVE HUMIDITY CLEANOUT CHECK VALVE RPM REVOLUTIONS PER MINUTE CONT CONTINUED SUPPLY AIR STRAINER OPPOSED BLADE DAMPER CONDENSING UNIT AUTOMATIC AIR VENT SUPPLY AIR FAN PRESSURE GAUGE DRY BULB TERMINAL BOX TRIPLE DUTY VALVE *THERMOMETER* DOWN TEMPERATURE CONTROL DAMPER DIRECT DIGITAL CONTROL TOTAL DYNAMIC HEAD AUTOMATIC DAMPER EXHAUST AIR THERMOWELL TOA TEMPERED OUTSIDE AIR ENTERING AIR TEMPERATURE TOTAL STATIC PRESSURE PIPE ANCHOR CONTROL VALVE EER ENERGY EFFICIENCY RATIO TYPICAL FOR ALL SIMILAR ITEMS POINT OF CONNECTION NEW TO EXISTING EXHAUST FAN OR CIRCUMSTANCES EWT ENTERING WATER TEMPERATURE ELBOW - UP UH UNIT HEATER FLEXIBLE CONNECTION PRESSURE REDUCING VALVE EXIST. EXISTING U.N.O. UNLESS NOTED OTHERWISE ELBOW - DN RELIEF VALVE FLA FULL LOAD AMPS UV UNIT VENTILATOR TEE FORWARD CURVED WC WATER COLUMN BRANCH OFF TOP FCU FAN COIL UNIT WPD WATER PRESSURE DROP BRANCH OFF BOTTOM FLR FLOOR BMS,DDC,EMS,ECC BUILDING ENERGY MANAGEMENT SYSTEM FEET FT EGC EQUIPMENT GROUNDING CONDUCTOR BUILDING CONTRACTOR **GENERAL NOTES** 1. EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THE DRAWINGS AGAINST 15. PROVIDE ALL NECESSARY SUPPORTS, CLAMPS, BRACKETS, ANGLES, MISCELLANEOUS STEEL 28. GENERAL CONDITIONS AND REQUIREMENTS OF TECHNICAL SPECIFICATIONS ARE PART OF THIS EXISTING SITE CONDITIONS. PORTIONS OF THE WORK ARE BASED ON BUILDING DRAWINGS ND OTHER ITEMS AS REQUIRED FOR PROPER SUPPORT OF DUCTWORK, PIPING, EQUIPMENT WORK. PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE INSTALLATION OF AND CONTROL WIRING IN ACCORDANCE WITH MSS STANDARDS AND PRACTICES SP-58 & THE HVAC AND PLUMBING SYSTEMS INDICATED ON DRAWINGS. ALL TECHNICIANS SHALL BE PREPARED BY OTHERS. CONTRACTOR SHALL VISIT THE PROJECT SITE AND REVIEW ALL

- DRAWINGS BY OTHER TRADES BEFORE SUBMITTING BID AND SHALL BECOME FAMILIAR WITH THE PROJECT CONDITIONS. THE CONTRACTOR SHALL ADVISE THE ARCHITECT / ENGINEER PRIOR TO BID OF DISCREPANCIES WHICH WILL PROHIBIT THE PREPARATION OF AN ALL-INCLUSIVE BID OR COST PROPOSAL. NO ALLOWANCE FOR ADDITIONAL PAYMENT WILL BE MADE FOR THE CONTRACTOR'S FAILURE TO VERIFY ALL EXISTING SITE CONDITIONS WITH THE CONTRACT DOCUMENTS.
- 2. ALL MATERIALS REQUIRED TO BE RATED SHALL BEAR A MARK ON EACH RATED ITEM. PRESSURE TREATED WOOD SHALL BE MARKED WITH THE AWPB QUALITY MARK REQUIREMENTS. FIRE RETARDANT WOOD SHALL BE PROVIDED WITH UL LABEL ON EACH PIECE OF LUMBER OR PLYWOOD, PROVIDE UL LISTED ELECTRICAL MATERIALS. PROVIDE AGA LABELED GAS FIRED EQUIPMENT AND VALVES. CONTRACTOR SHALL VERIFY ACTUAL LOCATIONS OF ALL UTILITIES PRIOR TO ANY EXCAVATION OR DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR SAFEKEEPING OF EQUIPMENT AND MATERIALS INCLUDING THOSE SUPPLIED BY THE OWNER.
- 3. SECURE ALL NEW CONSTRUCTION WITH FASTENERS OF ADEQUATE SIZE AND AT PROPER SPACING TO INSURE THAT ALL MATERIALS WILL REMAIN SECURELY FIXED IN POSITIONS SHOWN. ALL GAS PIPING, FITTINGS AND VALVES SHALL BE APPROVED FOR NATURAL GAS SERVICE AND INSTALLED ACCORDING TO THE NATIONAL FUEL GAS CODE. ALL PRODUCTS AND CONSTRUCTION INDICATED ON THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSIDERED TO BE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR AS REUSED.
- 4. WHERE ACCESSORY MATERIALS ARE SPECIFIED AND NO EXTENT OF USE IS INDICATED, PROVIDE ACCESSORY MATERIAL WHEREVER USE IS POSSIBLE.
- 5. MINOR ITEMS OF WORK SUCH AS CUTTING, BLOCKING, TRIM, ETC., SHALL BE PERFORMED AS REQUIRED TO MAKE THE WORK COMPLETE AND SECURE WHETHER SHOWN OR NOTED ON THE CONTRACT DOCUMENTS OR NOT.
- 6. BIDDERS LICENSED CONTRACTORS IN ACCORDANCE WITH LOCAL AND STATE LAWS AND ACCORDING TO THE PROJECT SPECIFICATION MANUAL. INSTALLERS SHALL BE SKILLED AND EXPERIENCED TECHNICIANS FAMILIAR WITH THE PROJECT EQUIPMENT. PROVIDE ALL LABOR AND MATERIALS REQUIRED FOR COMPLETE INSTALLATION OF THE INDICATED SYSTEMS AND EQUIPMENT ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- 7. ALL MATERIALS SHALL BE AS SPECIFIED OR EQUAL AS APPROVED BY ARCHITECT ENGINEER. SPECIFIC MATERIALS SPECIFIED IS MEANT TO INDICATE QUALITY INTENT WHICH WILL BE USED AS BASIS FOR COMPARISON WITH SUBSTITUTES SUBMITTED FOR APPROVAL. THE DECISION AS TO WHAT IS EQUAL IS TO BE DETERMINED BY THE ARCHITECT / ENGINEER. ALL DEBRIS SHALL BE REMOVED FROM THE WORK AREAS AND OCCUPIED AREAS AT THE END OF EACH DAY. ON SITE STORAGE OF MATERIALS SHALL BE AS DIRECTED BY
- 8. THE ARCHITECT / ENGINEER SHALL HAVE THE RIGHT AT ALL TIMES TO EXAMINE THE WORK AND DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS AND INTENT OF THE
- 9. REMOVE EXISTING CONSTRUCTION TO THE EXTENT REQUIRED TO PROVIDE SPECIFIED WORK AS DETAILED UNLESS OTHERWISE NOTED. AT PENETRATIONS OF FIRE—RATED WALL, CEILING, OR FLOOR CONSTRUCTION, COMPLETELY SEAL VOIDS WITH FIRE—RATED MATERIALS, FULL THICKNESS OF THE CONSTRUCTION ELEMENTS.

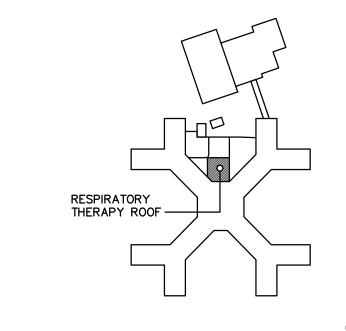
CONTRACT DOCUMENTS AS INTERPRETED BY THE ARCHITECT / ENGINEER.

- 10. ALL EXISTING CONSTRUCTION, SURFACES, FINISHES, ETC. ALTERED OR EXPOSED BY ANY DEMOLITION, REMOVAL OR INSTALLATION SHALL BE REPAIRED OR REPLACED AS NECESSARY. SYSTEMATICALLY CLEANED, PRIMED, AND FINISHED TO PROVIDE A MATCHING, FINISHED APPEARANCE WITH THE SURROUNDING EXISTING CONDITIONS; I.E. CHANNELED EXISTING FLOOR SLABS TO INSTALL PIPING SHALL BE RESTORED.
- 11. PROVIDE TEMPORARY PROTECTION FROM THE EXTERIOR WHERE CONSTRUCTION WORK RENDERS INTERIOR SURFACES EXPOSED TO THE EXTERIOR.
- 12. WHERE EXISTING SUBSTRATE CONSTRUCTION IS NOT SECURELY FASTENED, REFASTEN AS NECESSARY TO ADEQUATELY SECURE EXISTING CONSTRUCTION FOR ITS INTENDED USE.
- 13. INSTALL NEW CONSTRUCTION USING MATERIALS, TYPE, AND METHOD OF ANCHORAGE IN SUCH A WAY AS TO PROVIDE FOR EXPANSION AND CONTRACTION OF THE EXISTING SUBSTRATE AND NEW CONSTRUCTION.
- 14. ALL WORK SHALL BE IN ACCORDANCE WITH INTERNATIONAL BUILDING AND MECHANICAL CODES, NFPA 101 AND NFPA 99. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, INSPECTIONS AND FEES. CONTRACTOR SHALL PROVIDE ALL DEMOLITION WORK, MATERIALS. EQUIPMENT AND LABOR AS REQUIRED TO PROVIDE A COMPLETE INSTALLATION OF ALL WORK INDICATED BY THE DRAWINGS AND SPECIFICATIONS AND AS REQUIRED BY EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTORS AND SUBCONTRACTORS SHALL BE EXPERIENCED TECHNICIANS SKILLED FOR THE WORK REQUIRED

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- SP-69, THE FUEL GAS CODES, THE MECHANICAL CODE, SMACNA AND THE NEC.
- 16. ALL LOW VOLTAGE CONTROL WIRING SHALL BE AS REQUIRED BY THE SYSTEM MANUFACTURER FOR THE REQUIRED DISTANCE BETWEEN DEVICES. ALL CONTROL WIRING SHALL BE RUN IN EMT AND INSTALLED PER NEC. TEFLON COATED FIRE RETARDANT CABLE MAY BE INSTALLED WITHOUT EMT IN CONCEALED SPACES. PROVIDE ALL COMPONENTS AND LABOR REQUIRED FOR A COMPLETE FUNCTIONAL CONTROL SYSTEM FOR ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WARRANTEES.
- 17. FIELD COORDINATE ALL PIPE, DUCT, CONDUIT AND CONTROL LINE RUNS BEFORE FABRICATION AND INSTALLATION, NO FXTRAS SHALL BE PERMITTED FOR REPOUTING. REFABRICATION, RESTOCKING OR REMOVAL OF INSTALLED WORK DUE TO COORDINATION WITH BUILDING STRUCTURE, WORK OF OTHER TRADES, EXISTING BUILDING COMPONENTS OR TO CONFORM TO MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS FOR PROPER OPERATION.
- 18. DUCTWORK AND PIPING DRAWINGS ARE SCHEMATIC AND ALL DUCTWORK AND PIPING RUNS DO NOT SHOW ALL NECESSARY CHANGES IN ELEVATION OR OFFSETS REQUIRED FOR A COMPLETE INSTALLATION. PROVIDE ALL DUCT AND PIPE OFFSETS AS REQUIRED FOR THE INSTALLATION OF THE DUCT AND PIPE RUNS SHOWN ON PLANS. ALL CONTROLS, PIPING, DUCT, CONDUIT AND WIRING SHALL BE RUN CONCEALED WITHIN BUILDING CEILING SPACE, PARTITIONS OR CONNECTED EQUIPMENT UNLESS NOTED OTHERWISE.
- 19. HVAC CONTRACTOR SHALL COORDINATE ROOF EQUIPMENT LOCATIONS AND OPENINGS WITH GC AND WITH ROOF STRUCTURAL STEEL SHOP DRAWINGS. MARK UNIT OPENINGS ON STRUCTURAL DRAWINGS.
- 20. OFFSET ALL EXPOSED PIPING, DRAINS AND CONDUIT LINES AS REQUIRED SO THAT IT THEY DO NOT RUN ACROSS EQUIPMENT ACCESS PANELS, LIGHTS, SPEAKERS, FIRE ALARM COMPONENTS AND OTHER CEILING OR EXPOSED STRUCTURE MOUNTED DEVICES.
- 21. COORDINATE AND SCHEDULE ANY INTERRUPTION OF BUILDING OR OCCUPIED ROOM SERVICES WITH OWNER AT LEAST SEVEN DAYS IN ADVANCE. RESTORE ALL DEVICES CONNECTED TO SERVICE TO PRIOR WORKING ORDER WHEN SERVICE IS RESTORED. SERVICES INCLUDE WATER, FIRE ALARM, POWER, SANITARY, TELEPHONE.
- 22. NOTIFY AND COORDINATE WITH OWNER BEFORE USING ANY VOLATILE OR FUME PRODUCING COMPOUNDS SUCH AS DUCT SEALANT, CLEANING FLUIDS AND INSULATION GLUE IN OCCUPIED SPACES OR FAN ROOMS. PROVIDE MEANS OF TEMPORARY VENTILATION.
- 23. HYDRONIC PIPING SHALL BE TYPE L COPPER OR SCH. 40 STEEL. PROVIDE TWO PIECE FULL PORT BALL VALVES, VENT COCKS, DRAINS AND FITTINGS RATED FOR MINIMUM 150 PSIG. PROVIDE UNIONS AT ALL PIECES OF EQUIPMENT TO PERMIT SERVICE. PROVIDE DIELECTRIC UNIONS AT PIPE JOINTS HAVING DISSIMILAR METALS. PRESSURE TEST AND STARTUP BOILERS, PUMPS, AIR HANDLERS AND CONDENSING UNITS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE ASME RELIEF VALVES TO PROTECT PRESSURE VESSELS. HEAT EXCHANGERS AND EACH SYSTEM. INSTALL, JOIN AND INSULATE PIPING PER ASME STANDARDS AND THE MECHANICAL AND ENERGY CODES.
- 24. USE ONLY NEW, CLEAN ACR TUBE AND FITTINGS FOR DX PIPING, PULL DEEP VACUUM AND CHARGE PER MANUFACTURER'S RECOMMENDATIONS. ONLY CERTIFIED TECHNICIANS SHALL PERFORM REFRIGERATION PIPING WORK AND SHALL PROVIDE PROPER RISERS AND TRAPS FOR OIL RETURN WHERE COMPRESSORS ARE MOUNTED ABOVE COOLING COILS. REVIEW REFRIGERANT PIPING RUNS WITH CONDENSING UNIT MANUFACTURER AND ENSURE WARRANTY REQUIREMENTS ARE COMPLIED WITH. PROVIDE ALL HVAC EQUIPMENT ACCESSORIES AND CONTROLS AS RECOMMENDED BY MANUFACTURER'S FOR A COMPLETE AND FUNCTIONAL SYSTEM. PROVIDE MINIMUM 1-1/2" FIRE RETARDANT ARMAFLEX OR EQUAL INSULATION ON SUCTION LINES AND PAINT EXTERIOR INSULATION FOR UV RESISTANCE. INSULATE EXPOSED INTERIOR HOT GAS LINES IN FINISHED AREAS FOR PERSONNEL PROTECTION WITH 1/2" FIBERGLAS PIPE WRAP. INSTALL, JOIN AND INSULATE PIPING PER ASHRAE STANDARDS AND THE MECHANICAL AND ENERGY CODES.
- 25. CONTRACTOR SHALL PROVIDE ALL CABLING, CONNECTIONS AND CIRCUIT BREAKERS AS REQUIRED FOR CONTRACTORS USE OF OWNER POWER.
- 26. TIGHTLY INSULATE ALL DUCT AND PIPE WALL, FLOOR AND ROOF PENETRATION VOIDS WITH ROCK WOOL INSULATION OR OTHER APPROVED FIRE STOP SEALANT. INSULATION PRODUCTS SHALL BE FIRE RETARDANT AND MEET NFPA 255 AND ASTM E84 COMPOSITE FLAME SPREAD AND SMOKE DEVELOPED RATINGS (NOT TO EXCEED 25/50).
- 27. PROVIDE ALL WORK TO THE SATISFACTION OF THE LOCAL INSPECTING AUTHORITIES.

- COMPETENT TO PROVIDE INSTALLATION SERVICES FOR THE SYSTEMS INDICATED ON THE DRAWINGS. CONTRACTORS SHALL SHOW PROOF OF BEING QUALIFIED TO PERFORM THE WORK OF THIS PROJECT. PROOF SHALL BE IN THE FORM OF LICENSING, BONDING, OR PRIOR EXPERIENCE AS APPLICABLE FOR THIS PROJECT LOCATION AND AS REQUIRED BY
- 29. PROVIDE A ONE YEAR LABOR AND MATERIAL WARRANTY FOR ALL WORK TO BEGIN AT THE DATE OF SUBSTANTIAL COMPLETION. TURN OVER MANUFACTURER'S EXTENDED WARRANTIES TO OWNER. PROVIDE 4-HOUR MAX RESPONSE TIME TO WARRANTY CALLS AND AS SOON AS POSSIBLE TURN AROUND TIME FOR COMPLETION OF REPAIRS. INCLUDE ALL EXPRESS AND OVERNIGHT SHIPPING CHARGES FOR REPAIR PARTS REQUIRED FOR ANY REPAIRS.
- 30. RECTANGULAR FIRE DAMPERS SHALL BE TYPE B UNLESS APPROVED. TYPE A FIRE DAMPERS MAY BE USED IN TRANSFER AIR DUCTS UNLESS INDICATED OTHERWISE. PROVIDE DYNAMIC RATED FORE DAMPERS IN EXHAUST FAN SYSTEMS AND OTHER FAN SYSTEMS NOT SHUTDOWN ON FIRE ALARM.
- 31. PROVIDE EQUIPMENT AND MATERIAL SUBMITTALS IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS AND REQUIREMENTS. SUBMIT OPERATION AND MAINTENANCE MANUALS AT
- THE TIME OF SUBSTANTIAL COMPLETION. PROVIDE EQUALS TO THE SCHEDULED EQUIPMENT UNLESS PRE—APPROVAL IS OBTAINED FROM THE OWNER AND THE ARCHITECT/ENGINEER. 32. PROVIDE APPLICABLE SUBMITTALS FOR EQUIPMENT AND FIXTURES TO ENGINEER FOR REVIEW BEFORE ORDERING EQUIPMENT. COORDINATE SCHEDULING OF WORK TO ALLOW A MINIMUM OF TWO TO THREE WEEKS FOR REVIEW TIME PLUS DELIVERY TIME. FAXED SUBMITTALS WILL NOT BE ACCEPTED. EMAILED SUBMITTALS WILL NOT BE ACCEPTED WITHOUT PERMISSION OF THE ARCHITECT/ENGINEER. INADEQUATE SUBMITTALS WILL BE RETURNED FOR RESUBMISSION. SUBMITTALS WILL BE DEEMED INADEQUATE IF THEY ARE THE WRONG PRODUCT, INCORRECT NUMBER OF COPIES OR DO NOT SPECIFY WHICH PRODUCT IS BEING SUBMITTED WHEN MULTIPLE PRODUCTS ARE INCLUDED WITH MANUFACTURER'S DATA. SUBMITTALS MARKED AS MAKE CORRECTIONS NOTED MAY BE CONSIDERED SUITABLE FOR ORDERING EQUIPMENT IF CORRECTIONS ARE COMPLIED WITH. PROVIDE ALTERNATE OR EQUIVALENT MANUFACTURERS WHEN REQUIRED FOR DELIVERY TO MEET THE CONSTRUCTION SCHEDULES. ENGINEER SHALL DETERMINE IF A PRODUCT IS EQUIVALENT. CONTRACTOR SHALL VERIFY THAT EQUIVALENT PRODUCTS HAVE THE PROPER SUPPORT AND CLEARANCES NEEDED FOR INSTALLATION. SUBMIT OPERATION AND MAINTENANCE MANUALS AT THE TIME OF SUBSTANTIAL COMPLETION.
- 33. ENGINEER'S REVIEW OF SUBMITTALS AND SHOP DRAWINGS CALLED FOR IN THE CONTRACT DOCUMENTS IS TO DETERMINE IF THE CONTRACTOR UNDERSTANDS THE CONTRACT DOCUMENTS. SUBMITTAL OR SHOP DRAWING REVIEW IS NOT INTENDED TO ASSURE THAT THE CONTRACTOR IS MEETING THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ENGINEER'S REVIEW OF SUBMITTALS DOES NOT RELIEVE CONTRACTOR'S OBLIGATION FOR SUPPLYING CORRECT VOLTAGE, QUANTITIES, MOUNTING DETAILS OR OTHER MEANS AND METHODS OF CONSTRUCTION. ENGINEER'S REVIEW OF SHOP DRAWINGS AND SUBMITTALS DOES NOT ASSUME RESPONSIBILITY FOR ANY ASPECTS OF A SHOP DRAWING SUBMISSION THAT AFFECT THE MEANS, METHODS, QUANTITIES, TECHNIQUES, SEQUENCES, OR PROCEDURES OF CONSTRUCTION OR FOR SAFETY PRECAUTIONS (ALL OF WHICH ARE ASSUMED TO BE THE CONTRACTOR'S RESPONSIBILITY).
- 34. OPTION TO PROVIDE SUBMITTALS IN ELECTRONIC FORMAT VIA EMAIL WILL ONLY BE ACCEPTED FOR SUBMITTALS LESS THAN 25 PAGES. FOR SUBMITTALS THAT EXCEED 25 PAGES, PROVIDE HARD COPIES. IF A HARD COPY IS NOT PROVIDED THE ENGINEER MAY ELECT TO RETURN THE SUBMITTALS UNREVIEWED. PROVIDE HARD COPIES TO COR AS REQUESTED.
- 35. PROVIDE A CERTIFIED OR APPROVED BALANCE CONTRACTOR TO BALANCE ALL WATER FLOWS ON DRAWING TO +/- 10%. ADJUST BALANCE VALVES AS REQUIRED. SUBMIT MINIMUM 4 COPIES OF AIR BALANCE REPORT.
- 36. ALL MECHANICAL ELEMENTS SHALL HAVE MINIMUM 1" CLEARANCE BETWEEN OTHER ELEMENTS AND BETWEEN WORK OF OTHER TRADES.
- 37. REVIEW REMOVAL OF EQUIPMENT WITH OWNER AND OFFER RIGHT IF FIRST REFUSAL OF COMPONENTS TO OWNER BEFORE DISPOSAL. LEGALLY DISPOSE OF ALL UNWANTED MATERIAL.
- 38. ALL EXISTING PIPING THAT IS CUT SHALL BE PROPERLY CAPPED OR PLUGGED FOR FULL RATED PRESSURE OF THE PIPING SYSTEM RATING.



KEY PLAN
SCALE: N.T.S.

Dwg. 6 of 7

05/05/14 100% FINAL SUBMISSION

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ARCHITECT/ENGINEERS:

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Project Title MECHANICAL NOTES AND LEGEND Approved: Project Director

Project Number STRATTON VAMC 528A8-14-803 RESPIRATORY THERAPY ROOF **Building Number** BLDG. 1 Drawing Number STRATTON VA MEDICAL CENTER Checked

Office of Construction and Facilities Management Department of Veterans Affairs

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